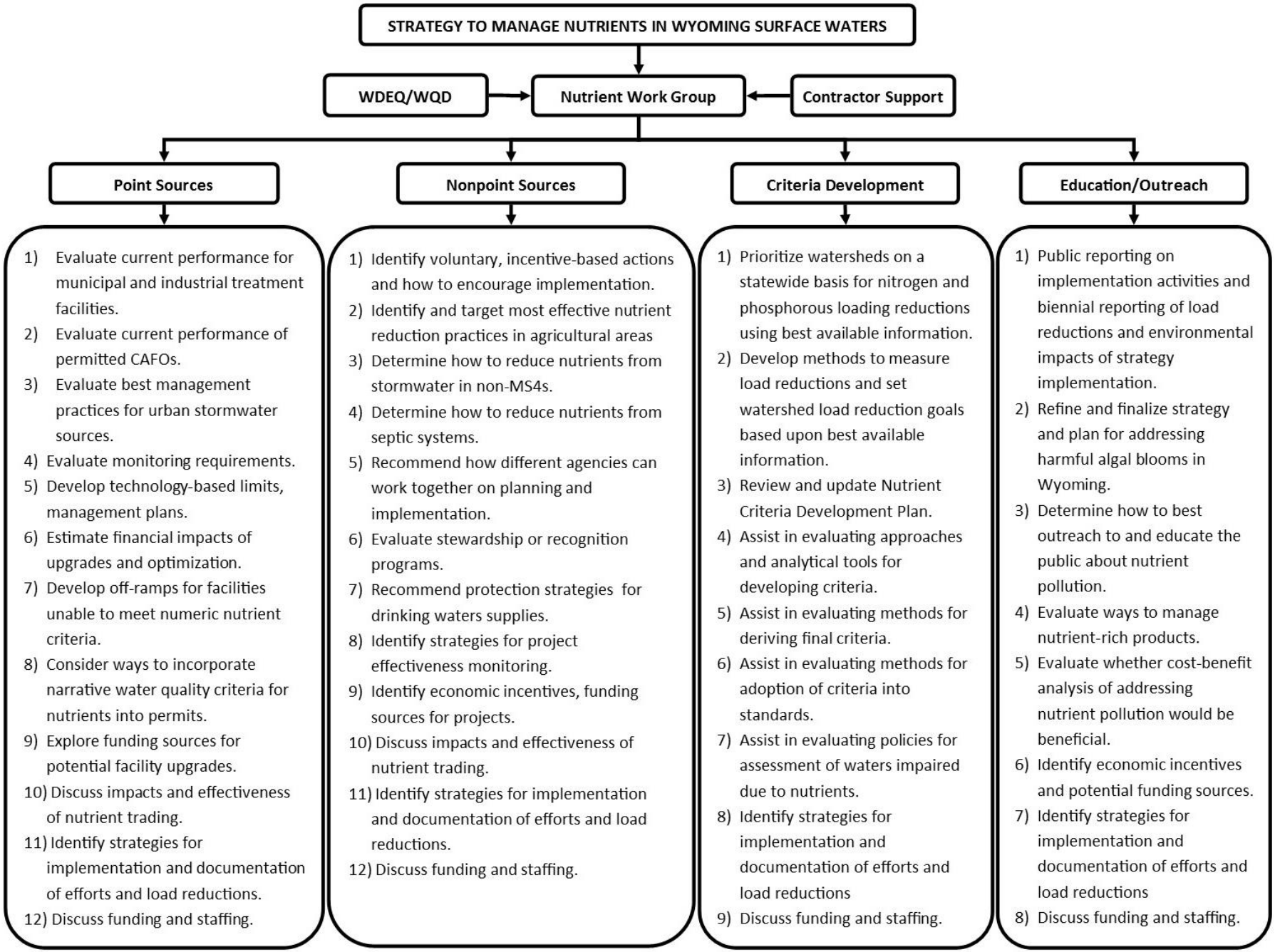
Developing a Nutrient Strategy for Wyoming: Kickoff Meeting Agenda

Herschler Building B63, Cheyenne, Wyoming
April 5, 2016, 10 AM – 3 PM

10:00 AM	**Welcome and Introductions**
	Nephi Cole, Senior Policy Advisor, Office of the Governor
	Alan Edwards, Deputy Director, Wyoming Department of Environmental Quality
10:10 AM	**Purpose of the Meeting**
	David Waterstreet, Watershed Protection Program Manager, Wyoming Department of Environmental Quality
10:15 AM	**Overview of Nutrient Management Issues and Approaches**
	Barry Tonning, Tetra Tech
10:45 AM	**Status of Wyoming Numeric Nutrient Criteria**
	Eric Hargett, Watershed Protection Monitoring Program, Wyoming Department of Environmental Quality
11:00 AM	**Potential Impacts of Cyanobacteria Blooms on Public Health**
	Tracy Murphy, MD, State Epidemiologist, Wyoming Department of Health
11:20 AM	**Potential Impacts of Nutrient Pollution on Drinking Water Supplies**
	Jake Crosby, Environmental Engineer, US Environmental Protection Agency
11:40 AM	**Evaluation of Nutrient Inputs into Fish Creek**
	Cheryl Eddy Miller, Hydrologist, US Geological Survey
12:00 PM	**Lunch Break – On Your Own!**
1:15 PM	**Developing a Wyoming Nutrient Strategy**
	Barry Tonning, Tetra Tech
1:30 PM	**Facilitated Discussion on Nutrient Strategy Approach**
	Barry Tonning, Tetra Tech
2:15 PM	**Sign-Ups for Nutrient Strategy Support Groups**
	Participant Volunteers
3:00 PM	**Adjourn**


STRATEGY TO MANAGE NUTRIENTS IN WYOMING SURFACE WATERS
WDEQ/WQD
Nutrient Work Group
Contractor Support
Point Sources
1) Evaluate current performance for municipal and industrial treatment facilities.
2) Evaluate current performance of permitted CAFOs.
3) Evaluate best management practices for urban stormwater sources.
4) Evaluate monitoring requirements.
5) Develop technology-based limits, management plans.
6) Estimate financial impacts of upgrades and optimization.
7) Develop off-ramps for facilities unable to meet numeric nutrient criteria.
8) Consider ways to incorporate narrative water quality criteria for nutrients into permits.
9) Explore funding sources for potential facility upgrades.
10) Discuss impacts and effectiveness of nutrient trading.
11) Identify strategies for implementation and documentation of efforts and load reductions.
12) Discuss funding and staffing.
Nonpoint Sources
1) Identify voluntary, incentive-based actions and how to encourage implementation.
2) Identify and target most effective nutrient reduction practices in agricultural areas
3) Determine how to reduce nutrients from stormwater in non-MS4s.
4) Determine how to reduce nutrients from septic systems.
5) Recommend how different agencies can work together on planning and implementation.
6) Evaluate stewardship or recognition programs.
7) Recommend protection strategies for drinking waters supplies.
8) Identify strategies for project effectiveness monitoring.
9) Identify economic incentives, funding sources for projects.
10) Discuss impacts and effectiveness of nutrient trading.
11) Identify strategies for implementation and documentation of efforts and load reductions.
12) Discuss funding and staffing.
Criteria Development
1) Prioritize watersheds on a statewide basis for nitrogen and phosphorous loading reductions using best available information.
2) Develop methods to measure load reductions and set watershed load reduction goals based upon best available information.
3) Review and update Nutrient Criteria Development Plan.
4) Assist in evaluating approaches and analytical tools for developing criteria.
5) Assist in evaluating methods for deriving final criteria.
6) Assist in evaluating methods for adoption of criteria into standards.
7) Assist in evaluating policies for assessment of waters impaired due to nutrients.
8) Identify strategies for implementation and documentation of efforts and load reductions
9) Discuss funding and staffing.
Education/Outreach
1) Public reporting on implementation activities and biennial reporting of load reductions and environmental impacts of strategy implementation.
2) Refine and finalize strategy and plan for addressing harmful algal blooms in Wyoming.
3) Determine how to best outreach to and educate the public about nutrient pollution.
4) Evaluate ways to manage nutrient-rich products.
5) Evaluate whether cost-benefit analysis of addressing nutrient pollution would be beneficial.
6) Identify economic incentives and potential funding sources.
7) Identify strategies for implementation and documentation of efforts and load reductions
8) Discuss funding and staffing.